



EIGHTEENTH ANNUAL AES SUPERFEST



**ARRL Sanctioned
Hamfest**

Special Guest

**Joel R. Hallas,
W1ZR**

QST Technical Editor



at AES • 5710 W. Good Hope Road • Milwaukee, WI 53223

Friday, March 30th (2:00 P.M. to 6:00 P.M.) & Saturday, March 31st (8:30 A.M. to 3:00 P.M.)

FREE Parking & Admission • Manufacturer Representatives • Clubs & Organizations • Bob Heil & Gordon West

Forums • V.E. Testing • QSL Card Checking • Fox Hunt • Talk-in • Boy Scouts Food Concession

Joel R. Hallas, W1ZR – Joel is the Technical Editor of QST. In that position, he is responsible for the technical content of the magazine, including selecting and editing all technical articles for each issue. He also is responsible for the monthly “Doctor is IN,” “Hamspeak,” “Product Review” and a one-page beginner technical article he writes or selects. He has been at the ARRL since 2003. Joel has authored ARRL Publications: *Basic Radio*, *Basic Antennas*, *The ARRL Guide to Antenna Tuners* and *Hamspeak*. Soon to be published are *The Care and Feeding of Transmission Lines* and another on *Antenna Analyzers*. Joel has been licensed since 1955.

Manufacturers

ALINCO
ARRL/QST Magazine
Ameritron
CableXperts
Comet Antennas
C. Crane Company
Cushcraft
Daiwa
GRE America, Inc.
Gold Medal Ideas
Gordon West Radio School
Heil Sound
HyGain
ICOM
Jim's Engraving
KENWOOD
Larsen Antennas/Pulse Elect.
MFJ Enterprises
Maldol
Mirage
NCG
PowerWerx
QSL USA Engraving
RT Systems
RadioWavz Antennas
Times Microwave Systems
Timewave Technology, Inc.
Unified Microsystems
Vectronics
W5YI Group
Wouxun
West Mountain Radio
YAESU

Clubs & Organizations

ARES Communications Van
Badger Contesters
Chicago FM Club/Radio Expo (CFMC)
Chicago Marathon Group
Chicago Q5 Club Net (N9JBW)
Chicago - The 220MHz Guys
Fond du Lac Amateur Radio Club
Four Lakes Amateur Radio Club (FLARC)
Fox River Radio League (FRRL)
Greater Milwaukee DX Association (GMDXA)
Handi-Hams
Kenosha ARES/RACES
LeFrog
Lakeshore Repeater Association
Milwaukee Area Amateur Society (MAARS)
Milwaukee Area Digital Operator's Group (MADOG)
Milwaukee Area Amateur Radio Society
Milwaukee Fox Hunters
Milwaukee Radio Amateurs' Club (MRAC)*
 **95th Anniversary Special Event Operation*
Milwaukee Repeater Club (MRC)
Milwaukee ARES
MARS: Air Force / Navy-Marine Corps
North Shore Radio Club
Official Observers
OZARES
Ozaukee Radio Club
Peoria-Area Amateur Radio Club
QCWA Chapters 55, 120, 162 & 219
Racine County ARES/RACES
Racine Megacycle Club
Red Cross Emergency Response Vehicle
SEWFARS
SATERN (Salvation Army Team Radio Network)
South Milwaukee Amateur Radio Club
Sullivan Weather Amateur Radio Association
USADRC - Squad 16 Emergency Vehicle
West Allis Radio Amateur Club (WARAC)
Washington County ARES
Waukesha ARES
Wisconsin Amateur Radio Club
Wisconsin FM Amateur Repeater Society (SEWFARS)
Wisconsin Council of REACT Teams
Young Amateur Contest Team (YACHT)

*Participation of Manufacturers and Clubs is
as of 3/8/2012 and subject to change.
Check www.aesham.com for updates*

SATURDAY ACTIVITIES

8:30 A.M. – 11:15 A.M.

V.E. TESTING – Bring a form of ID (driver's license O.K.), the Original & Photocopy of your Ham license (if applicable) and any CSCE. **(Last exam at 11:00 A.M.)**

8:30 A.M. – NOON

QSL CARD CHECKING (DXCC, WAS, WAC & VUCC)

Courtesy of Ron Gorski, N9AU (at the Greater Milwaukee DX Association booth)

9:30 A.M. – 10:30 A.M.

2 METER FOX HUNT CHALLENGE

Bring your HT or favorite DF'er. There will be multiple transmitters hidden around the AES property that can be easily tracked on foot. Starts at the ARES van

SATURDAY FORUMS

8:45 A.M. – 9:30 A.M.

VHF Operations

Ken Boston, W9GA and Gary Sutcliffe, W9XT

VHF basics including: EME; 10 GHz Operations, Weak Signal Contests; Rover Operations. Using Arduino for APRS, rotor control, keyers, radio control, etc.

9:45 A.M. – 10:30 A.M.

The Doctor is IN!

Joel Hallas, W1ZR (QST Technical Editor)

Bring your technical questions and Joel will do his best to answer them on the spot. In some cases, he will need to consult others, or do some antenna modeling or other analysis before he can provide a full answer and will respond via e-mail directly.

10:45 A.M. – 11:30 A.M.

Recent Advances in Digital Sound Card Modes – *Darren Rook, KC9SSL*

(Tech Support, West Mountain Radio)

Most hams own computers and that is causing a surge to the digital modes. An overview of what is required and specifically equipment from West Mountain Radio. Operation and advantages of modes like JT-65, WSPR, WINLINK, WINMOR, etc.

11:45 A.M. – 12:30 P.M.

NOISE, the SCOURGE of ham radio and how to deal with it!

Randy Gantry, K0CBH (Timewave Technology)

An “almost no math” discussion of noise reduction technologies and how to take advantage of them in your ham radio operations. Besides acoustic noise in the shack or vehicle, there are numerous outside sources such as atmospheric, power lines and consumer electronics-generated RFI. Add these to noise inside your radios and accessories and the problem can be monumental. Plus, a bonus overview of what's happening with the newest versions of *Ham Radio Deluxe* software.

12:45 P.M. – 1:30 P.M.

Its time for thinking OUTSIDE of the shack!

Emmett Hohensee, W0QH (Chief Engineer, Radiowavz Antennas Inc.)

Things you can do outside to make your operation a lot easier, safer and more effective. Analyzing your available space and deciding how to install the best possible performing antenna. Effects of bands at various heights, tuning to resonance, grounding and effective lightning protection. Recommendations to help make any station play better.

1:45 P.M. – 2:45 P.M.

THE HEIL & WEST SHOW

Bob Heil, K9EID (Heil Sound) & Gordon West, WB6NOA (Gordon West Radio School)

Spend another hilarious hour with these ham legends as they team up to talk about equipment and audio related stuff. Gordo will be adding his own unique take on the fun side of ham radio. Plus, information on *Ham Nation* with Bob Heil on TWITT.TV

**We will be streaming Superfest Activity and
Forum Video live at:**

<http://www.ustream.tv/channel/superfest>

PRIZES!

Talk-in: N9LKH (145.130/144.530, PL 127.3 Hz) and KC9LKZ (M.A.D.O.G.) UHF D-Star, 442.46875 +

Free Parking – If the AES lot is full please use the Elks' Lodge lot just across the street and to the East

Specials / Instant Coupons: *If you are unable to come to Superfest, call 1-800-558-0411 or check our Website (www.aesham.com) during show hours for any Specials or Instant Coupons that are in effect for Superfest.*

AMATEUR ELECTRONIC SUPPLY – 5710 W. Good Hope Road Milwaukee, WI 53223 • 414-358-0333 • 1-800-558-0411 • www.aesham.com